Part V

Appendices
Staff

MCSD consists of full time permanent staff located at NIST laboratories in Gaithersburg, MD and Boulder, CO. This is supplemented with a variety of faculty appointments, guest researchers, postdoctoral appointments, and student appointments. The following list reflects the status at the end of FY 2005.

Legend: F = Faculty Appointee, GR = Guest Researcher, PD = Postdoctoral Appointee, S = Student, PT= Part time

Division Staff

Ronald Boisvert, Chief
Robin Bickel, Secretary
Jeffrey Fong, PT
Roldan Pozo
Chris Schanzle

Mathematical Modeling Group

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Bradley Alpert (Boulder)
Timothy Burns
Alfred Carasso
Andrew Dienstfrey (Boulder)
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Fern Hunt
Raghu Kacker
Anthony Kearsley
Peter Ketcham
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Agnes O’Gallagher (Boulder)

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Mirit Aladjem, GR
Daniel Anderson, GR
Eric Baer, S
Richard Braun, F
Katharine Gurski, GR
Seung-Ill Haan, GR
Sohyoung Kim, GR
Dianne O’Leary, F
Florian Potra, F
Richard Yeh, GR

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Abdou Youssef, F

Optimization and Computational Geometry Group

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Javier Bernal
David Gilsinn

Emanuel Knill (Boulder)
Theodore Einstein, GR
Saul Gass, F
Scott Glancy, PD
James Lawrence, F
Sita Ramamurti, GR
David Song, GR

Francis Sullivan, GR
Christoph Witzgall, GR

Scientific Applications and Visualization Group

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Yolanda Parker, Office Manager
Robert Bohn
William George
Terence Griffin
John Hagedorn
Howard Hung

John Kelso
Adele Peskin (Boulder)
Steven Satterfield
James Sims
Julien Lancien, GR
Alexandre Thibau, S

Staff Leaving the Division During FY 2005

Joyce Conlon

David Cotrell, PD
Ioan Sucan, GR
Anocha Yimsiriwattana, GR

Brian Cordes, S
Justin Haaheim, S
Jarrett Inn, S
Javier Sanchez, S
Gaurav Thakur, S
Benjamin Zoeller, S
# Acronyms

ACM  Association for Computing Machinery  
AIP  American Institute of Physics  
AMS  American Mathematical Society  
ANSI  American National Standards Institute  
APS  American Physical Society  
ASME  American Society of Mechanical Engineers  
ATP  NIST Advanced Technology Program  
BFRL  NIST Building and Fire Research Laboratory  
BLAS  Basic Linear Algebra Subprograms  
CARB  NIST Center for Advanced Research in Biotechnology  
CCS  IDA Center for Computing Sciences  
CEM  computational electromagnetics  
CFM  confocal fluorescence microscopy  
CIO  Chief Information Officer  
CSTL  NIST Chemical Science and Technology Laboratory  
CWI  Centrum voor Wiskunde en Informatica (Amsterdam)  
DARPA  Defense Advanced Research Projects Agency  
DIVERSE  Device Independent Virtual Environments — Reconfigurable, Scalable, Extensible (visualization software)  
DLMF  Digital Library of Mathematical Functions (MCSD project)  
DOD  Department of Defense  
DOE  Department of Energy  
DPD  dissipative particle dynamics  
DSO  distributed shared object  
EEEL  NIST Electronics and Electrical Engineering Laboratory  
FY  fiscal year  
GAMS  Guide to Available Mathematical Software  
GMR  giant magneto-resistance  
IDA  Institute for Defense Analysis  
ITL  NIST Information Technology Laboratory  
IFIP  International Federation for Information Processing  
IMA  Institute for Mathematics and Its Applications (Univ. of Minnesota)  
JAMA  Java Matrix package  
LADAR  Laser Distance and Ranging  
MCS D  ITL Mathematical and Computational Sciences Division  
MEL  NIST Manufacturing Engineering Laboratory  
MIM  Molecular interaction map  
MPI  Message Passing Interface  
MRAM  magnetic random access memory  
MSEL  NIST Materials Science and Engineering Laboratory  
NBS  National Bureau of Standards (former name of NIST)  
NIST  National Institute of Standards and Technology  
NOAA  National Oceanographic and Atmospheric Administration  
NSF  National Science Foundation
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>OCM</td>
<td>optical coherence tomography</td>
</tr>
<tr>
<td>OOF</td>
<td>Object-Oriented Finite Elements (software package)</td>
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<tr>
<td>OOMMF</td>
<td>Object-Oriented Micromagnetic Modeling Framework (software package)</td>
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<tr>
<td>PDE</td>
<td>partial differential equation</td>
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<tr>
<td>PHAML</td>
<td>Parallel Hierarchical Adaptive Multi Level (software)</td>
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<tr>
<td>PL</td>
<td>NIST Physics Laboratory</td>
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<tr>
<td>QDPD</td>
<td>quaternion-based dissipative particle dynamics</td>
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<tr>
<td>RAM</td>
<td>random access memory</td>
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<tr>
<td>RAVE</td>
<td>Reconfigurable Automatic Virtual Environment</td>
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<tr>
<td>SAVG</td>
<td>MCSD Scientific Applications and Visualization Group</td>
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<tr>
<td>SED</td>
<td>NIST/ITL Statistical Engineering Division</td>
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<tr>
<td>SEM</td>
<td>scanning electron microscope</td>
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<tr>
<td>SIAM</td>
<td>Society for Industrial and Applied Mathematics</td>
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<tr>
<td>SIGGRAPH</td>
<td>ACM Special Interest Group on Graphics</td>
</tr>
<tr>
<td>SPIE</td>
<td>The International Society for Optical Engineering</td>
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<tr>
<td>SSS</td>
<td>Screen Saver Science</td>
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<tr>
<td>SURF</td>
<td>Student Undergraduate Research Fellowship</td>
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<tr>
<td>SVD</td>
<td>singular value decomposition</td>
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<td>TIN</td>
<td>triangulated irregular network</td>
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<td>TNT</td>
<td>Template Numerical Toolkit</td>
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<tr>
<td>VCCTL</td>
<td>Virtual Cement and Concrete Testing Laboratory</td>
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